

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

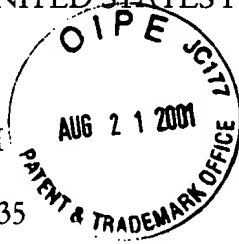
In re Application of:

David M. SMITH

Serial Number: 09/803,035

Filed: March 12, 2001

For: RADIATION SHIELDING



Group Art Unit: 2876

Examiner: To be assigned

RECEIVED
AUG 23 2001
TECHNOLOGY CENTER 2800

STATEMENT IN RESPONSE TO NOTICE MAILED MAY 30, 2001

Assistant Commissioner for Patents
Attn: Licensing and Review
Washington, D.C. 20231

Sir:

I, David M. SMITH, a citizen of the United States, residing at 29 Sharon Bass Drive,
Hampton, Virginia 23664 declare:

That I made and conceived the invention described and claimed in patent application
number 09/803,035 filed in the United States of America on March 12, 2001 titled "RADIATION
SHIELDING".

That I made and conceived this invention while employed by Newport News Shipbuilding
and Dry Dock Company.

That the invention is related to the work I am employed to perform and was made within
the scope of my employment duties.

That the invention was made substantially during working hours and with the use of
facilities, equipment, materials, funds, information and services of Newport News Shipbuilding and
Dry Dock Company. The initial several hours of my efforts on this invention (approximately 20
hours) were charged directly to a United States Navy contract for advance planning for the refueling
and complex overhaul (RCOH) of the aircraft carrier *USS Eisenhower*. This contract is funded with

Navy Shipbuilding and Conversion funds appropriated specifically for this RCOH planning effort by the United States Congress. After the first several hours of my efforts on this invention, my continuing work was funded directly by Newport News Shipbuilding and Dry Dock Company or its parent corporation, as described below.

The motivation for this invention was to improve the method for temporary shielding of devices peripheral to nuclear reactors such as piping. In particular, the motivation was to develop an improved shielding used when a reactor is not in operation in order to shield from radiation emitted by cobalt 60. I conceived that a solution to this problem was to develop a shielding using a powdered metal in a silicone base. My goal was to create a new product which, following testing and development, could be later used in projects for the United States Navy or for commercial customers.

Testing was performed using the equipment and facilities of my employer. After my initial efforts on the invention, continued financial support for research and development has been provided by Newport News Shipbuilding and Dry Dock Company through its Independent Research and Development funds. Some later funding for my invention also has been provided by Newport News Industrial, an operating division of Newport News Shipbuilding Inc., which is the parent holding company of Newport News Shipbuilding and Dry Dock Company.

To the best of my knowledge and belief, the invention or discovery was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors Energy Research and Development Administration or the Department of Energy.

The undersigned inventor declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the

like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Inventor's Signature: 

Date: 8-17-01

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